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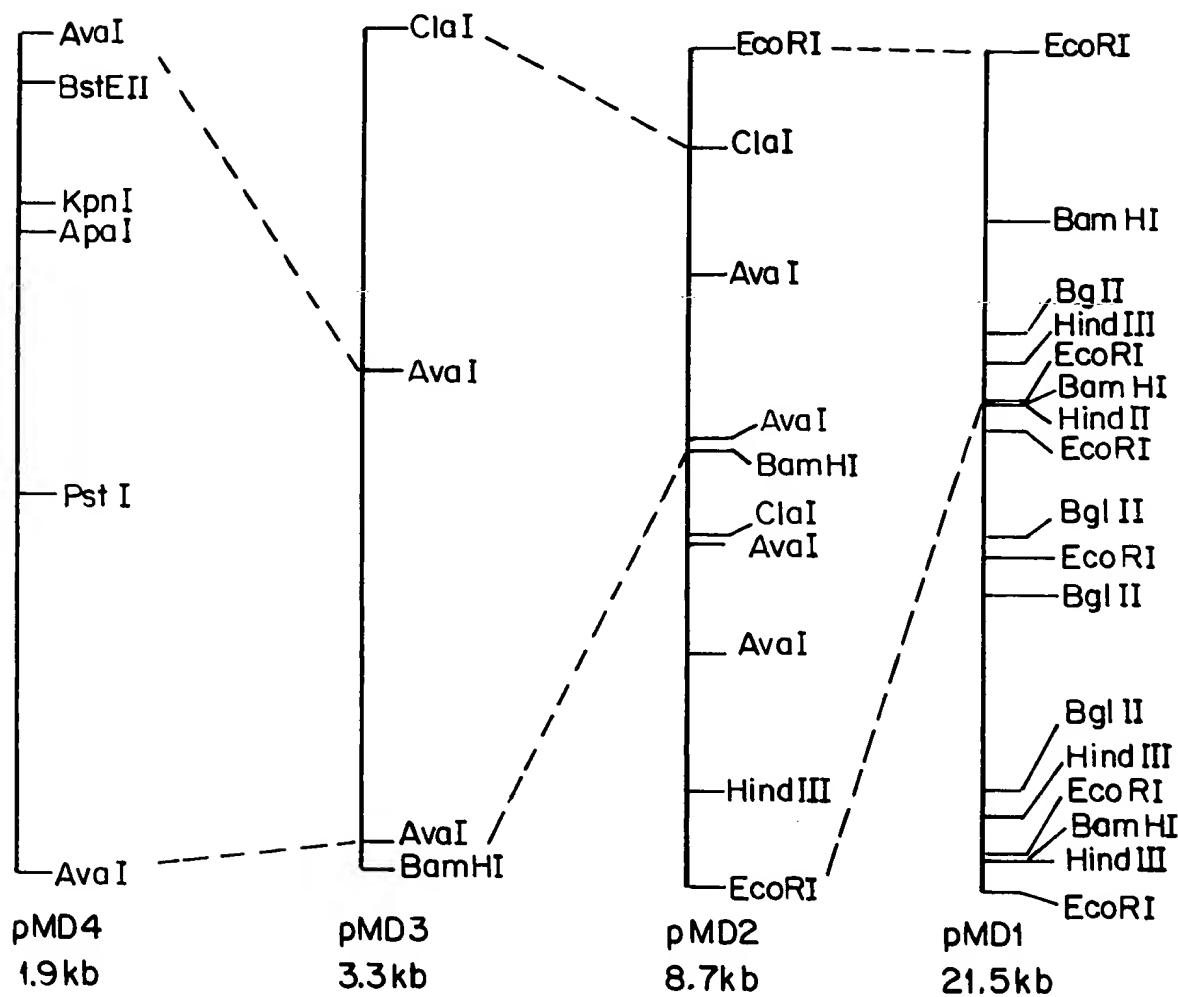


Fig. 1

Title: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE
DEGRADATION OF TRIAZINE COMPOUNDS

Applicant(s): L. W. Skett, et al.

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APPLICANT	1 P. FIG.
ART. 1	1 CLASS
2	1 SUBCLASS
DRAFTSMAN	

FIGURE 2 - Sequence 360

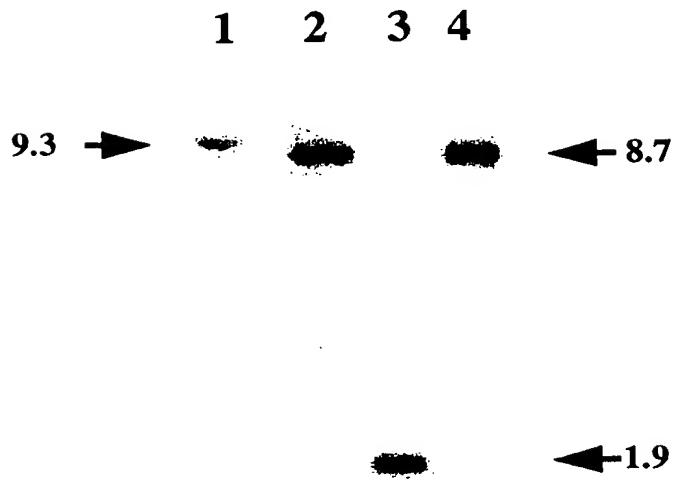


Fig. 2

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EcoR

Hind III

Bam HI

EcoRI

HindII

BqI II

EcoRI

Bq|II

EcoRT

Hind III

Bam HI

EcoRI

Hind III

Bgl II

BamH1

EcoRI

Fig. 3

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APRIL 1962	U. S. FIG.
EY	CLASS
SUBCLASS	
DRAFTSMAN	

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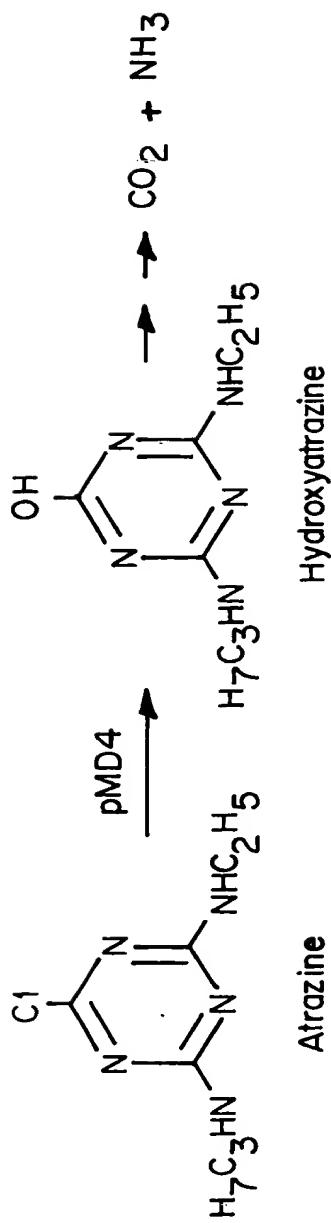


Fig. 4

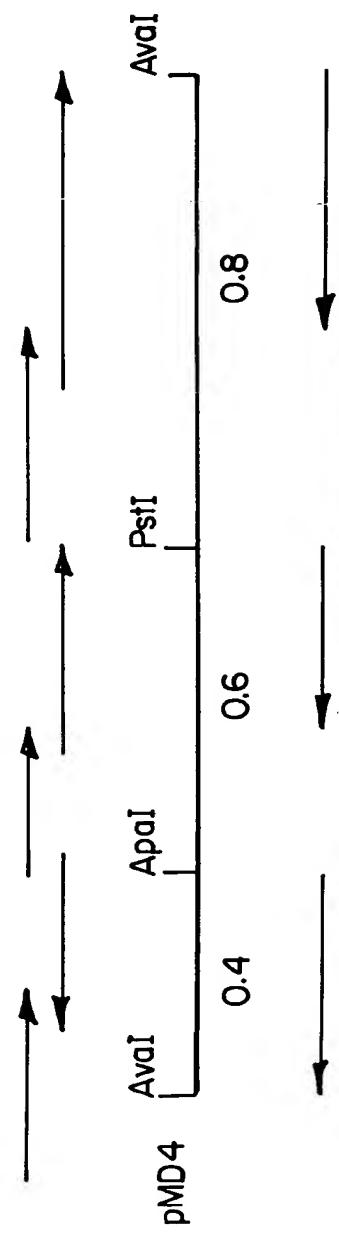


Fig. 5

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Fig. 6

1 CTCGGGTAAC TTCTTGAGCG CGGCCACAGC AGCCTTGATC ATGAAGGCGA
51 GCATGGTGAC CTTGACGCCG CTCTTTCGT TCTCTTGTT GAACTGCACG
101 CGAAAGGCTT CCAGGTCGGT GATGTCGCGC TCGTCGTGGT TGGTGACGTG
151 CGGGATGACC ACCCAGTTGC GGTGCAGGTT TTTCGATGGC ATAATATCTG

atza →

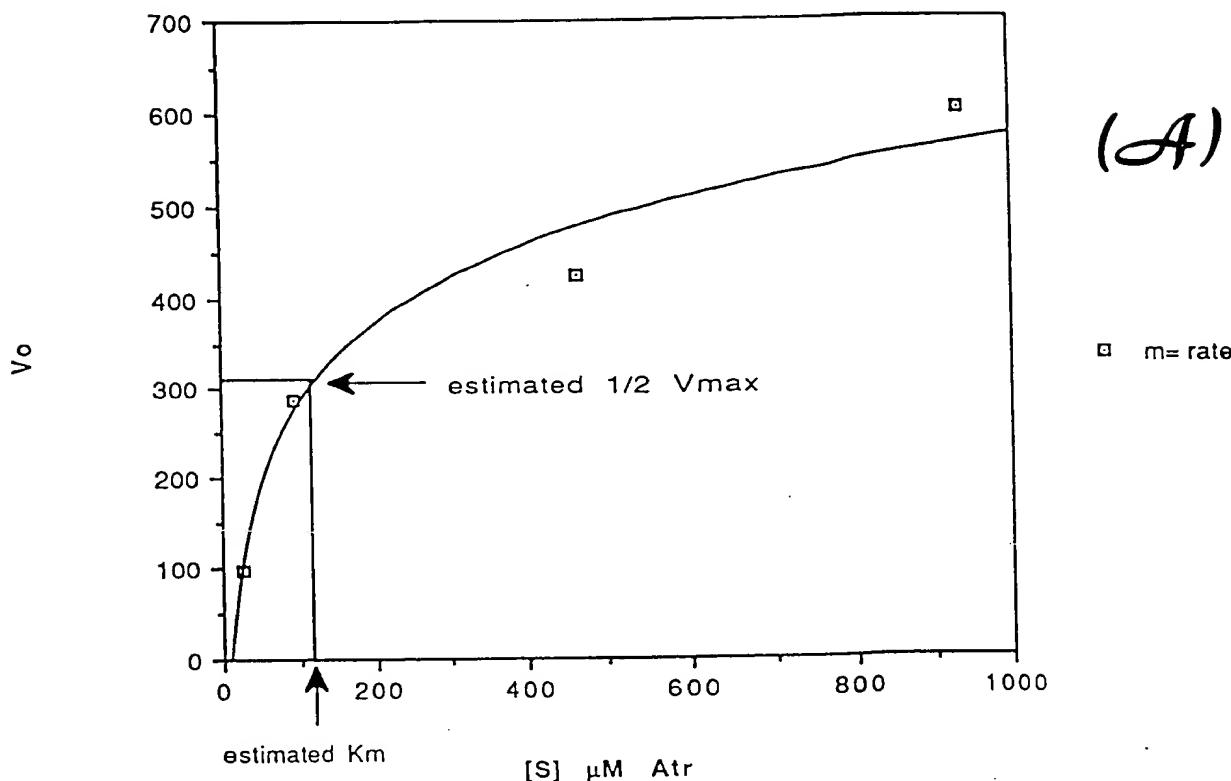
201 CGTTGCGACG TGTAACACAC TATTGGAGAC ATATCATGCA AACGCTCAGC
251 ATCCAGCACG GTACCCCTCGT CACGATGGAT CAGTACCGCA GAGTCCTTGG
301 GGATAGCTGG GTTCACGTGC AGGATGGACG GATCGTCGCG CTCGGAGTGC
351 ACGCCGAGTC GGTGCCTCCG CCAGCGGATC GGGTGATCGA TGCACGCGGC
401 AAGGTCGTGT TACCCGGTTT CATCAATGCC CACACCCATG TGAACCAGAT
451 CCTCCTGCGC GGAGGGCCCT CGCACGGACG TCAATTCTAT GACTGGCTGT
501 TCAACGTTGT GTATCCGGGA CAAAAGGCGA TGAGACCGGA GGACGTAGCG
551 GTGGCGGTGA GGTTGTATTG TGCGGAAGCT GTGCGCAGCG GGATTACGAC
601 GATCAACGAA AACGCCGATT CGGCCATCTA CCCAGGCAAC ATCGAGGCCG
651 CGATGGCGGT CTATGGTGAG GTGGGTGTGA GGGTCGTCTA CGCCCGCATG
701 TTCTTGATC GGATGGACGG GCGCATTCAA GGGTATGTGG ACGCCTTGAA
751 GGCTCGCTCT CCCCAAGTCG AACTGTGCTC GATCATGGAG GAAACGGCTG
801 TGGCCAAAGA TCGGATCACA GCCCTGTCAG ATCAGTATCA TGGCACGGCA
851 GGAGGTCGTA TATCAGTTTG GCCCGCTCCT GCCACTACCA CGGCGGTGAC
901 AGTTGAAGGA ATGCGATGGG CACAAGCCTT CGCCCGTGAT CGGGCGGTAA
951 TGTGGACGCT TCACATGGCG GAGAGCGATC ATGATGAGCG GATTGATGGG
1001 ATGAGTCCCC CCGAGTACAT GGAGTGTAC GGACTCTTGG ATGAGCGTCT
1051 GCAGGTCGCG CATTGCGTGT ACTTTGACCG GAAGGATGTT CGGCTGCTGC
1101 ACCGCCACAA TGTGAAGGTC GCGTCGCAGG TTGTGAGCAA TGCCTACCTC
1151 GGCTCAGGGG. TGGCCCCCGT GCCAGAGATG GTGGAGCGCG GCATGGCCGT
1201 GGGCATTGGA ACAGATAACG GGAATAGTAA TGACTCCGCA AACATGATCG
1251 GAGACATGAA GTTATGGCC CATATTCAAC GCGCGGTGCA TCGGGATGCG
1301 GACGTGCTGA CCCCAGAGAA GATTCTTGAA ATGGCGACGA TCGATGGGGC
1351 GCGTTCGTTG GGAATGGACG ACGAGATTGG TTCCATCGAA ACCGGCAAGC
1401 GCGCGGACCT TATCCTGCTT GACCTGCGTC ACCTCAGACG ACTCTCACAT
1451 CATTGGCGG CCACGATCGT GTTTCAGGCT TACGGCAATG AGGTGGACAC
1501 TGTCTGTGATT GACGGAAACG TTGTGATGGA GAACCGCCGC TTGAGCTTTC
1551 TTCCCCCTGA ACGTGAGTTG GCGTTCTTG AGGAAGCGCA GAGCCCGGCC
1601 ACAGCTATTG TGCAGCGGGC GAACATGGTG GCTAACCCAG CTTGGCGCAG
1651 CCTCTAGGAA ATGACGCCGT TGCTGCATCC GCCGGCCCTT GAGGAAATCG
1701 CTGCCATCTT GGCGCGGCTC GGATTGGGG GCGGACATGA CCTTGATGGA
1751 TACAGAATTG CCATGAATGC GGCACCTCCG TCCTTCGCTC GTGTGGAATC
1801 GTTGGTAGGT GAGGGTCGAC TGCAGGGCGCC AGCTTCCGA AGAGGTGAAA
1851 GGCCCGAG

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Fig. 7

1 MQTLSIQHGT LVTMDQYRRV LGDSWVHVQD GRIVALGVHA ESVPPPADDRV
51 IDARGKVVLGP FINAHTHVN QILLRGGPSH GRQFYDWLFN VVYPGQKAMR
101 PEDVAVAVRL YCAEAVRSGI TTINENADSA IYPGNIEAAM AVYGEVGVRV
151 VYARMFFDRM DGRIQGYVDA LKARSPQVEL CSIMEETAVA KDRITALSDQ
201 YHGTAGGRIS VWPAPATTVA VTVEGMRWAQ AFARDRAVMW TLHMAESDHD
251 ERIHGMSPAEC YMECTYGLLDE RLQVAHCYVF DRKDVRLLHR HNVKVASQVV
301 SNAYLGSGVA PVPEMVERGM AVGIGTDNGN SNDSANMIGD MKFMAHIHRA
351 VHRDADVLTP EKILEMATID GARSLGMDHE IGSIETGKRA DLILLLRHL
401 RRLSHHLLAAT IVFQAYGNEV DTVLIDGNVV MENRRRLSFLP PERELAFLEE
451 AQSRATAILQ RANMVANPAW RSL

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Rates for AtzA w/ atrazine



Lineweaver Burke plot
Km estimated to be 125 μM

